

Applicant: Hidenori YAMAMOTO, et al.

Title: Distributed System and Brokering Method Using Context

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FIG.1

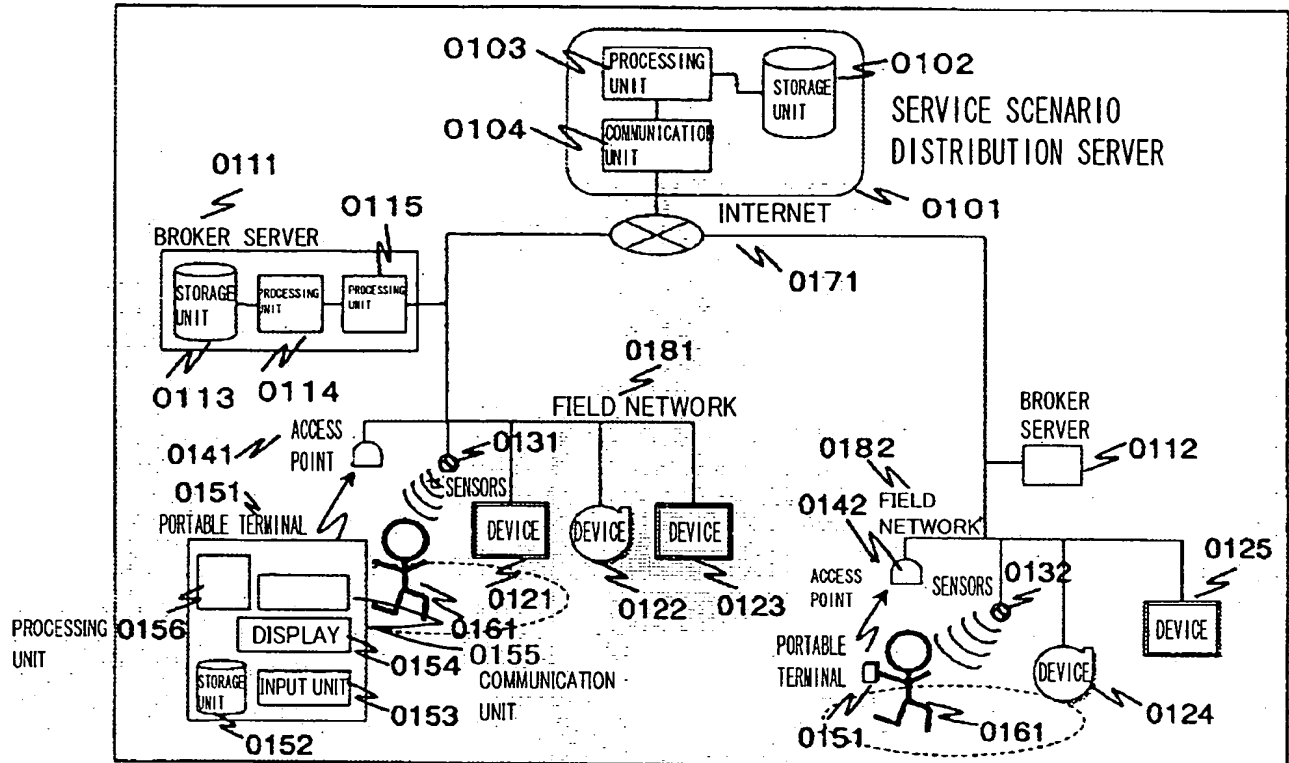
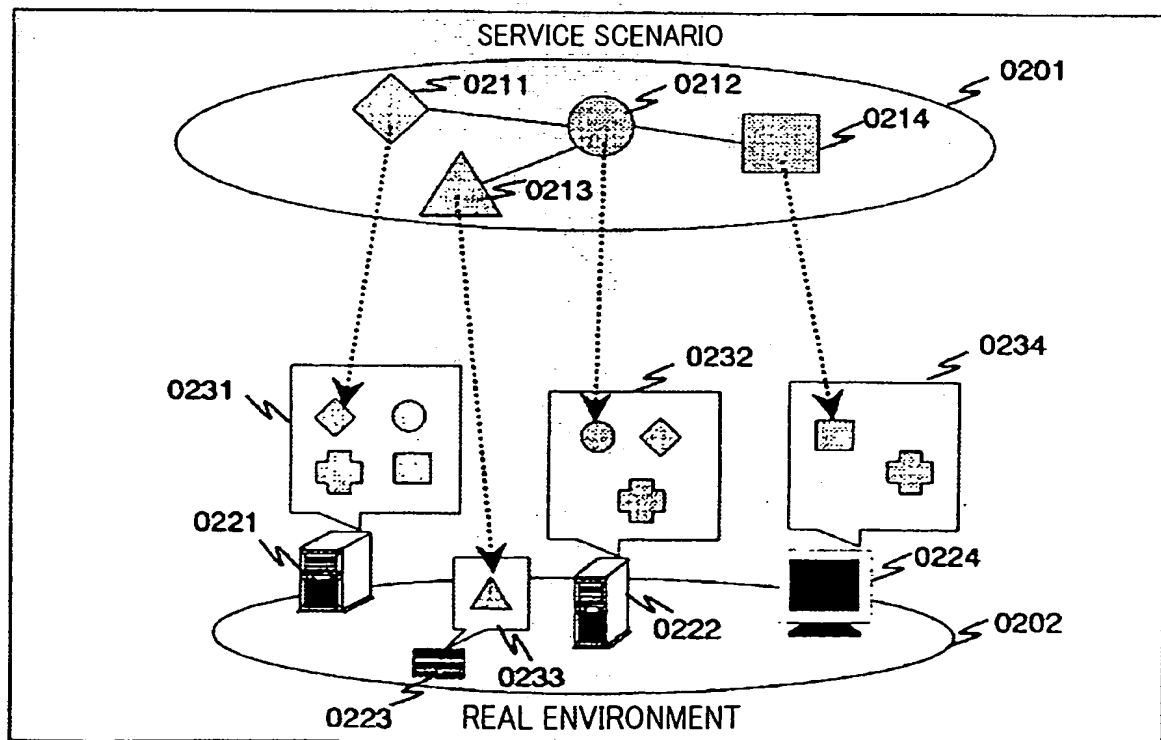
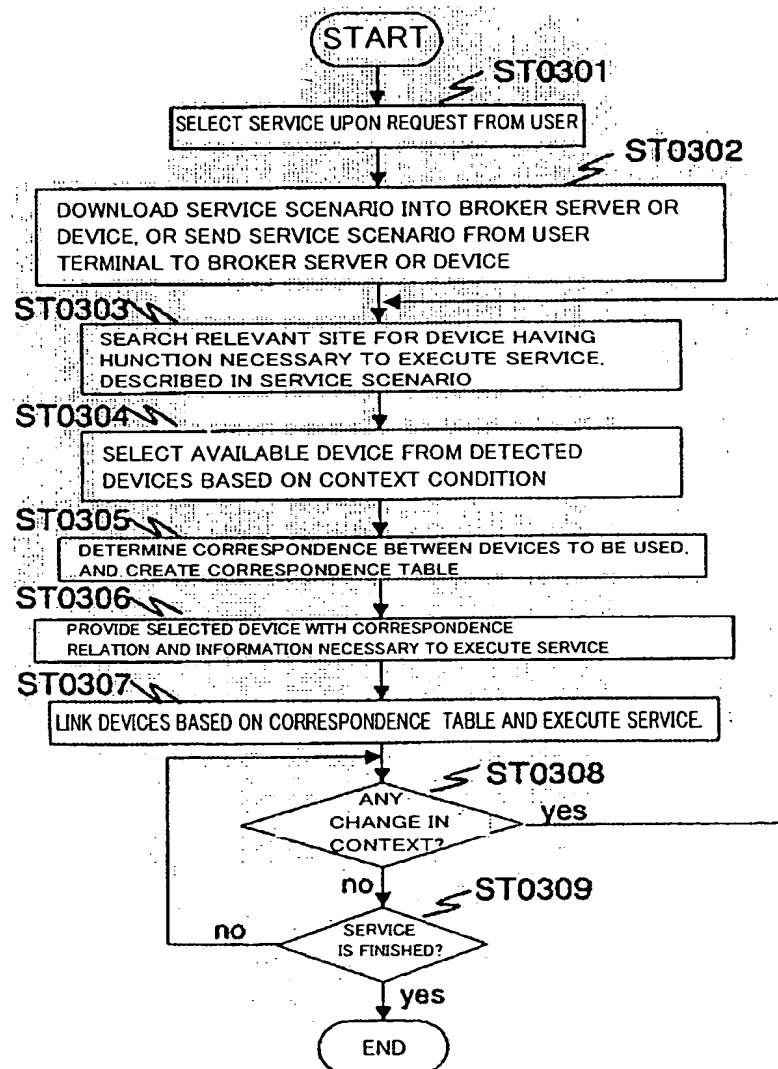


FIG.2



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FIG. 3



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FIG.4

0401		0402	
0411	CONTEXT USED	DEVICE SELECTION CONDITION	
	POSITION	SELECT DEVICE CLOSEST TO USER	
0412	DEVICE STATE	SELECT DEVICE NORMALLY RUNNING	
0413		PREFERENTIALLY SELECT DEVICE NOT USED BY OTHERS	
0414	TIME	DEVICE IS AVAILABLE ONLY DURING CERTAIN PERIOD OF TIME(e.g. LUNCH BREAK)	
0415	SCHEDULE	REFER TO OPERATION SCHEDULE OF DEVICE, AND DEVICE IS AVAILABLE IF NOT RESERVED	
	NUMBER OF PEOPLE IN VICINITY		
	.....	.....	

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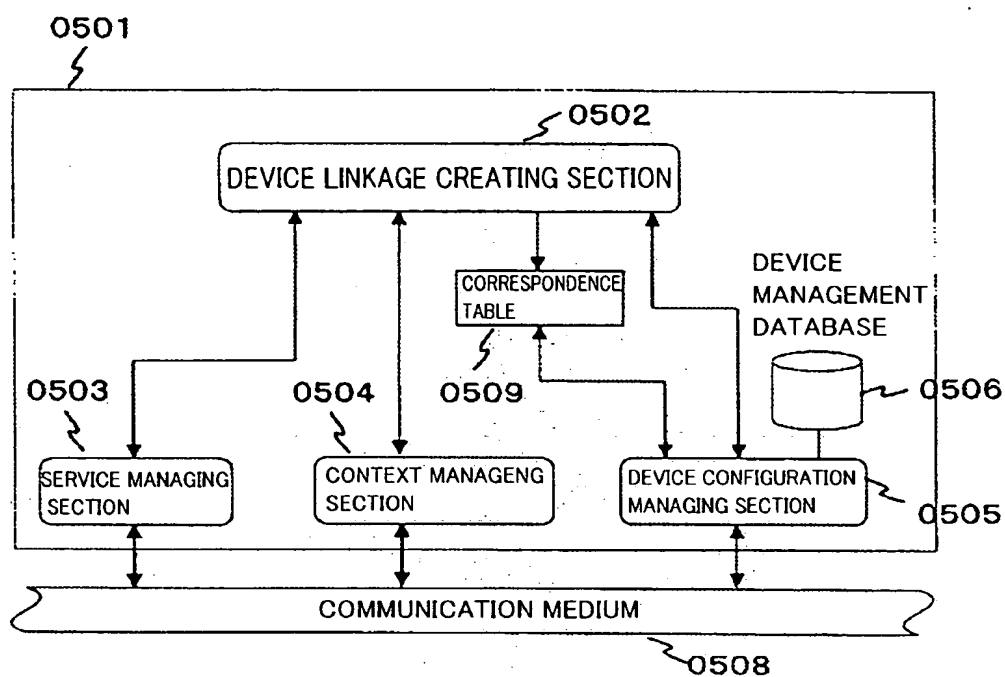


FIG.5

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FIG.6

0601	0602	0603	0604	0605	0606	0607
⚡	⚡	⚡	⚡	⚡	⚡	⚡
FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION	STATE
A						
B						
C						
....	.....	.....	.....	.....	.....	.....

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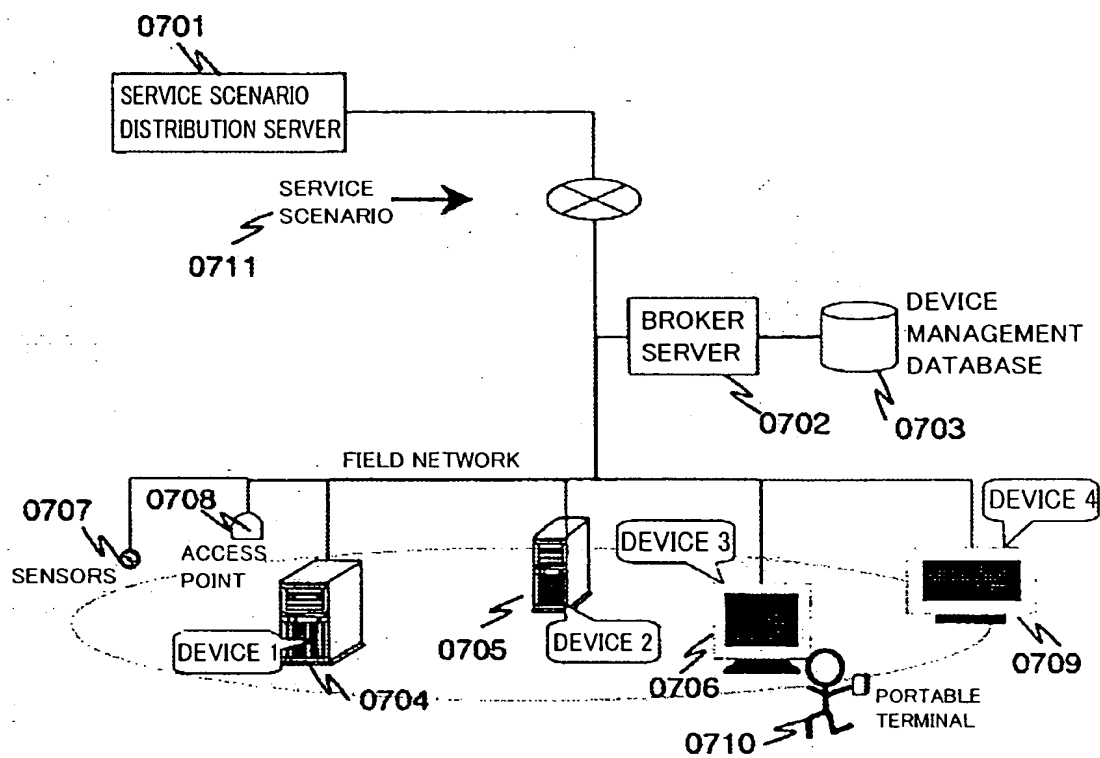


FIG. 7

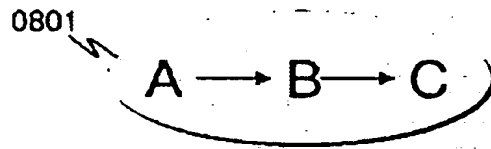
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0802

0803

FUNCTION		LINKAGE
A	HARD DISK	B
B	ENCODER	A, C
C	DISPLAY	B

FIG.8

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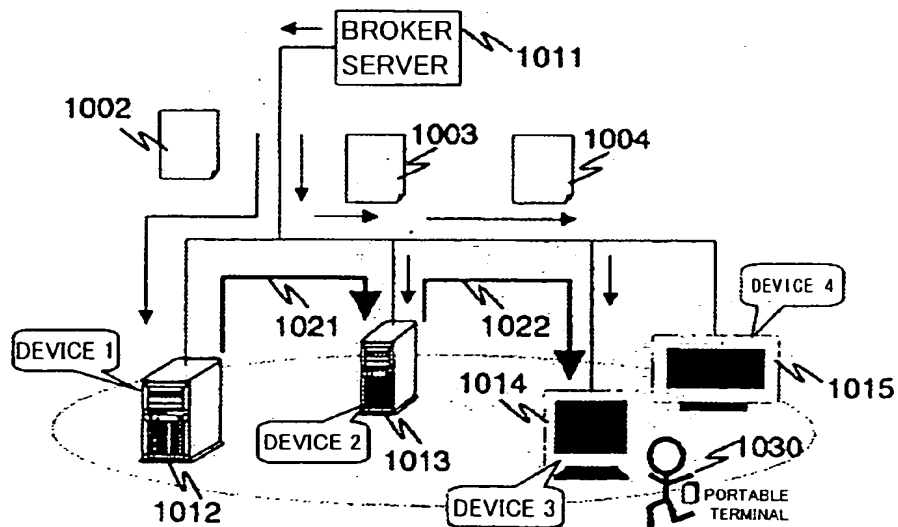
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FIG. 9

0901 DEVICE	0902 FUNCTION	0903 ATTRIBUTE	0904 IDENTIFIER	0905 STATE
DEVICE 1	HARD DISK			
	WEB BROWSER			
	.....			
DEVICE 2	ENCODER			
	VIDEO CAPTURE			
	.....			
DEVICE 3	DISPLAY			
	.....			
DEVICE 4	DISPLAY			
	.....			

FIG. 10

1001 FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION
A: HARD DISK	DEVICE 1	Address1	Process1		Address2:Process1
B: ENCODER	DEVICE 2	Address2	Process1	Address1:Process1	Address3:Process1
C: DISPLAY	DEVICE 3	Address3	Process1	Address2:Process1	





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FIG.11

1101	FUNCTION NAME	.....
1102	PROCESS ID	.....
1103	DATA SOURCE	.....
1104	DATA DESTINATION	.....
1105	OPERATING CONDITION	.....

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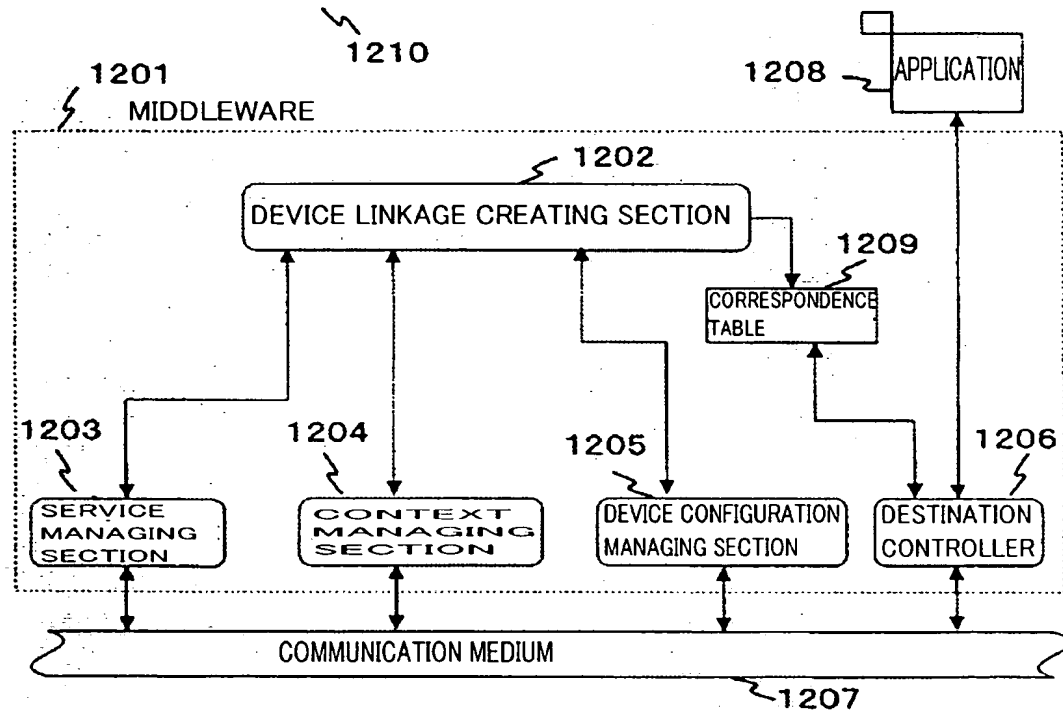
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FIG. 12



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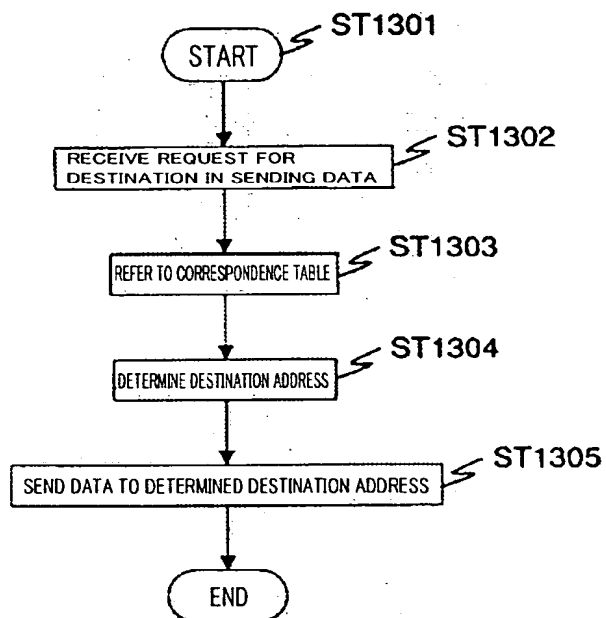
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FIG.13



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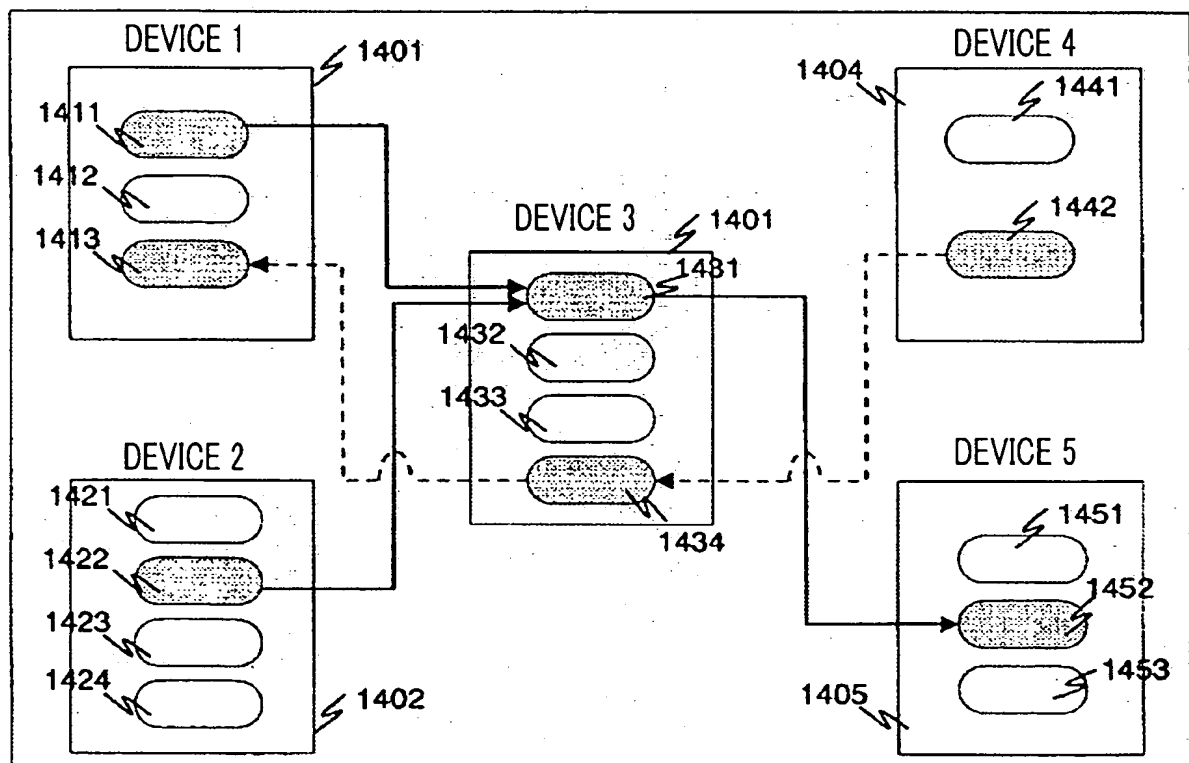
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FIG.14



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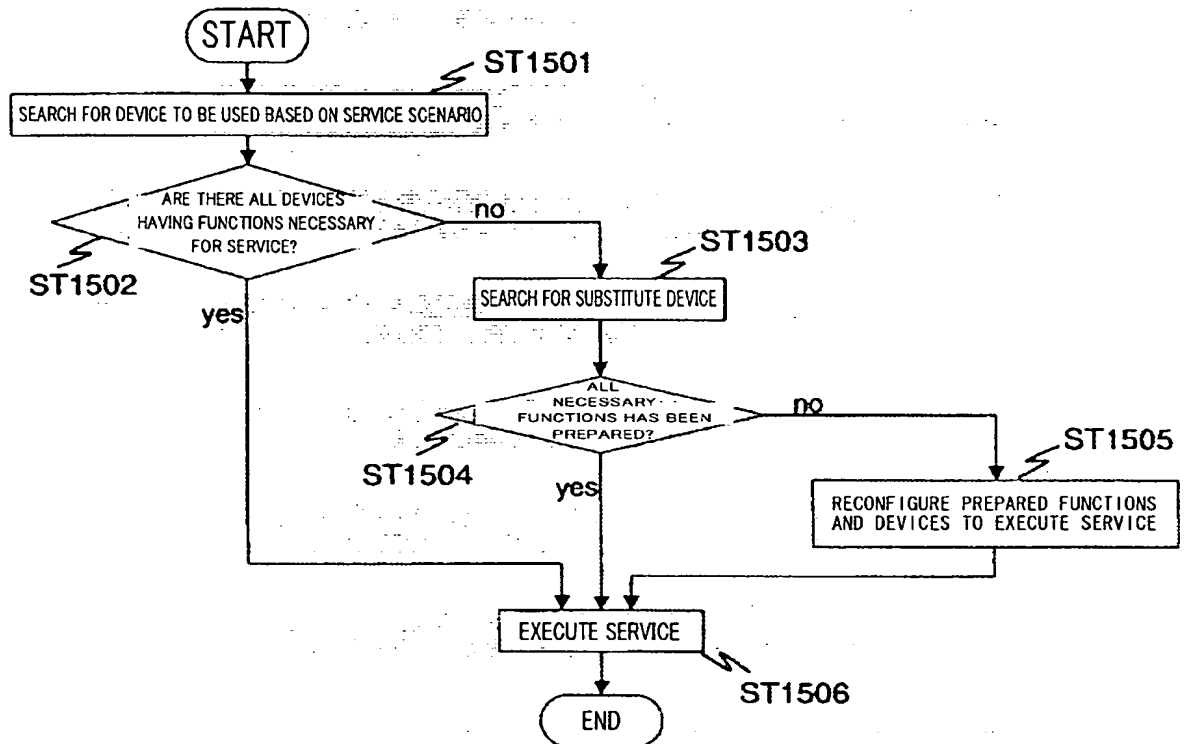
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FIG.15



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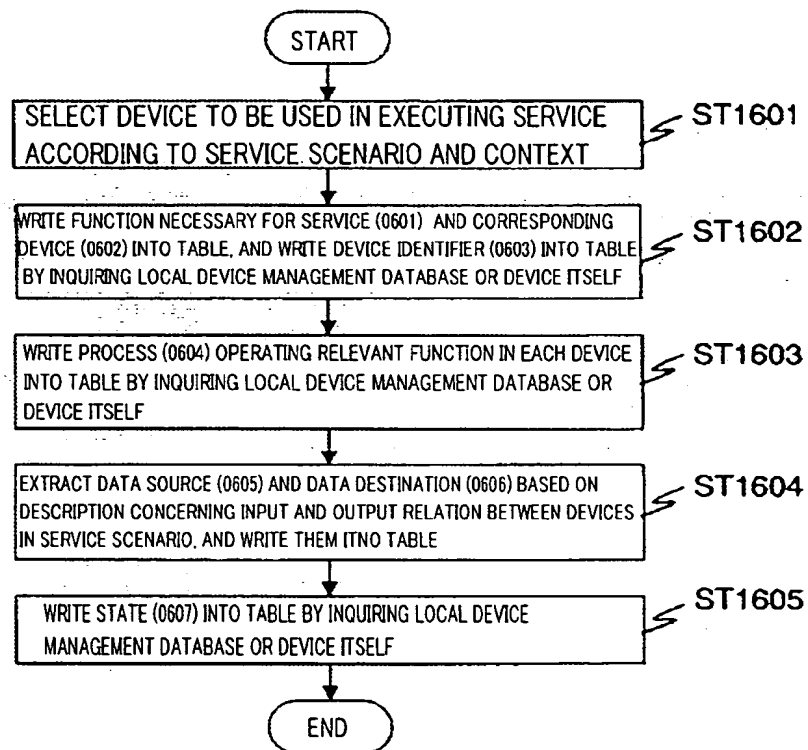
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FIG. 16



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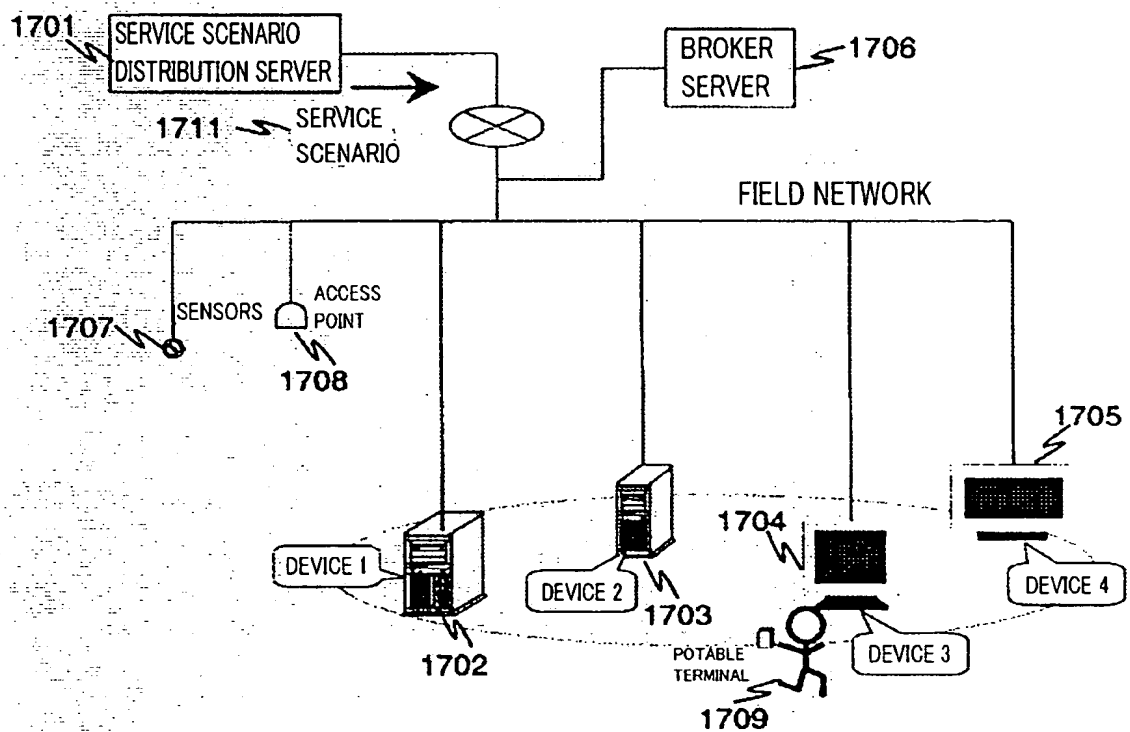
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FIG.17



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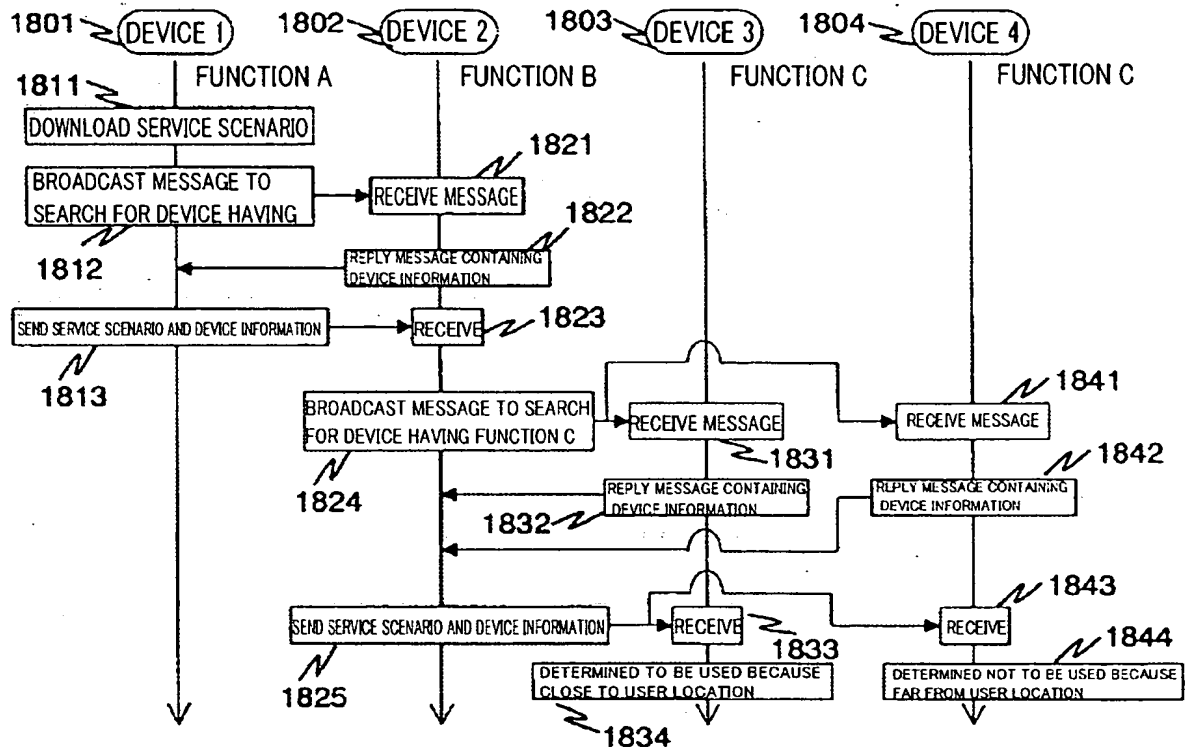
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FIG.18





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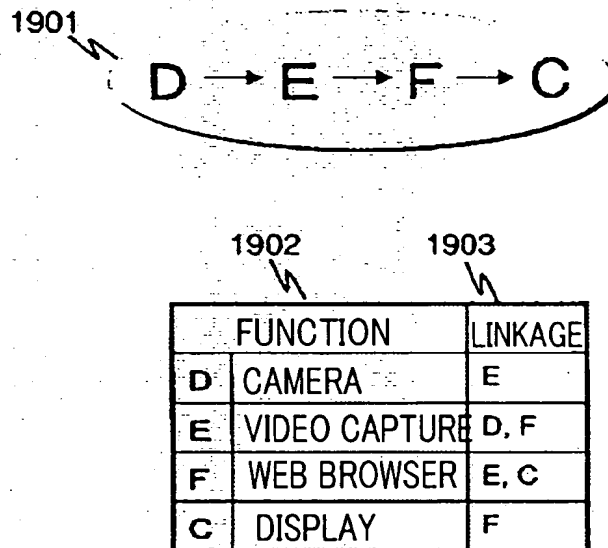
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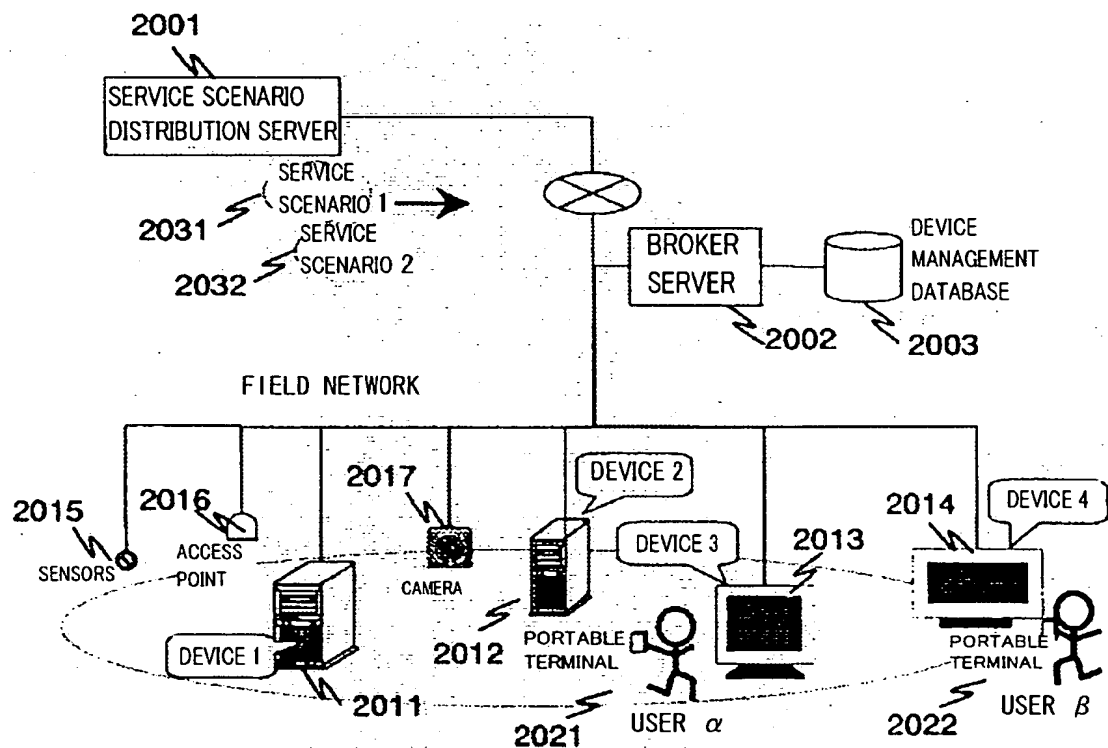
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FIG.19



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FIG.20



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FIG.21

CORRESPONDENCE TABLE BETWEEN DEVICES TO BE USED FOR USER  $\alpha$ : VIDEO STREAMING DISTRIBUTION SERVICE

2101

FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION
A: HARD DISK	DEVICE 1	Address1	Process1		Address2:Process1
B: ENCODER	DEVICE 2	Address2	Process1	Address1:Process1	Address3:Process1
C: DISPLAY	DEVICE 3	Address3	Process1	Address2:Process1	

CORRESPONDENCE TABLE BETWEEN DEVICES TO BE USED FOR USER  $\beta$ : VIDEO MONITORING SERVICE

2102

FUNCTION	DEVICE	DEVICE IDENTIFIER	PROCESS	DATA SOURCE	DATA DESTINATION
D: CAMERA	CAMERA	Address5	Process1		Address2:Process2
E: VIDEO CAPTURE	DEVICE 2	Address2	Process2	Address5:Process1	Address1:Process2
F: WEB BROWSER	DEVICE 1	Address1	Process2	Address2:Process2	Address4:Process1
G: DISPLAY	DEVICE 4	Address4	Process1	Address1:Process2	